Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/17/2018 10:43 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	05/12/2018 04:21 PM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80291	Expiration Date:	02/29/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125953	0	2.15	126045	2.10
Blue	F	SSC	125000	124018	-1	1.68	124628	1.70
Blue	E	FITC	15760	15401	-3	2.99	334	22.43
Blue	D	PE	25880	25173	-3	1.99	549	17.06
Blue	B	PerCP-Cy5-5	34075	33952	-1	4.26	1040	23.21
Blue	A	PE-Cy7	22776	22931	0	7.41	550	47.28
Red	C	APC	42488	41702	-2	2.81	1570	13.59
Red	A	APC-Cy7	24478	23753	-3	2.86	810	13.06
Violet	B	V450	6304	6066	-4	3.96	350	17.51
Violet	A	V500	26005	24730	-5	3.54	581	13.37

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	21010	9.80	611	14	N/A	N/A	Pass
Blue	F	SSC	56566	1.18	582	27	N/A	N/A	Pass
Blue	E	FITC	58	74.13	565	9	0.0157	196	Pass
Blue	D	PE	115	59.67	559	10	0.1290	337	Pass
Blue	B	PerCP-Cy5-5	196	56.13	659	12	0.0070	57	Pass
Blue	A	PE-Cy7	105	116.63	713	16	0.0083	20	Pass
Red	C	APC	372	28.89	605	5	0.0193	161	Pass
Red	A	APC-Cy7	198	29.30	574	3	0.0048	1195	Pass
Violet	B	V450	59	77.55	502	13	0.0286	2745	Pass
Violet	A	V500	87	48.38	518	12	0.0130	1357	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.39	-30.80	0.92
Blue	20.35	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.40
Red	15.65	13.60 - 20.40	N/A	N/A	30.77	31.27	1.19

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10388

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments